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Page 1 of 7

P. Paras

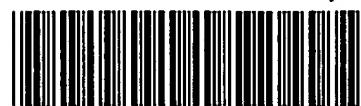
SEP 20 2002

TECH CENTER 1600/2900

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/466,035

DATE: 09/17/2002  
TIME: 13:48:28

Input Set : A:\seqlist.txt  
Output Set: N:\CRF4\09172002\I466035.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: SALLBERG, MATTI  
7 MILICH, DAVID R.  
8 LEE, WILLIAM T.L.

10 (ii) TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING  
11 INTRACELLULAR DISEASES

13 (iii) NUMBER OF SEQUENCES: 86

15 (iv) CORRESPONDENCE ADDRESS:

16 (A) ADDRESSEE: Robins & Pasternak LLP  
17 (B) STREET: 545 Middlefield Road, Suite 180  
18 (C) CITY: Menlo Park  
19 (D) STATE: California  
20 (E) COUNTRY: U.S.  
21 (F) ZIP: 94025

23 (v) COMPUTER READABLE FORM:

24 (A) MEDIUM TYPE: Floppy disk  
25 (B) COMPUTER: IBM PC compatible  
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

29 (vi) CURRENT APPLICATION DATA:

C--> 30 (A) APPLICATION NUMBER: US/09/466,035

C--> 31 (B) FILING DATE: 17-Dec-1999

32 (C) CLASSIFICATION:

34 (viii) ATTORNEY/AGENT INFORMATION:

35 (A) NAME: Pasternak, Dahna S.  
36 (B) REGISTRATION NUMBER: 41,411  
37 (C) REFERENCE/DOCKET NUMBER: 2300-1231.01

39 (ix) TELECOMMUNICATION INFORMATION:

40 (A) TELEPHONE: 650-325-7812

41 (B) TELEFAX: 650-325-7823

42 (C) TELEX:

45 (2) INFORMATION FOR SEQ ID NO: 1:

47 (i) SEQUENCE CHARACTERISTICS:

48 (A) LENGTH: 35 base pairs  
49 (B) TYPE: nucleic acid  
50 (C) STRANDEDNESS: single  
51 (D) TOPOLOGY: linear

56 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

58 CTCGAGCTCG AGGCACCAGC ACCATGCAAC TTTTT

35

60 (2) INFORMATION FOR SEQ ID NO: 2:

62 (i) SEQUENCE CHARACTERISTICS:

63 (A) LENGTH: 29 base pairs

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64      (B) TYPE: nucleic acid
65      (C) STRANDEDNESS: single
66      (D) TOPOLOGY: linear
71      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:          29
73 CTACTAGATC CCTAGATGCT GGATCTTCC
75 (2) INFORMATION FOR SEQ ID NO: 3:
77      (i) SEQUENCE CHARACTERISTICS:
78          (A) LENGTH: 29 base pairs
79          (B) TYPE: nucleic acid
80          (C) STRANDEDNESS: single
81          (D) TOPOLOGY: linear
86      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:          29
88 GGAAGATCCA GCATCTAGGG ATCTAGTAG
90 (2) INFORMATION FOR SEQ ID NO: 4:
92      (i) SEQUENCE CHARACTERISTICS:
93          (A) LENGTH: 26 base pairs
94          (B) TYPE: nucleic acid
95          (C) STRANDEDNESS: single
96          (D) TOPOLOGY: linear
101     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:          26
103 GGGCGATATC AAGCTTATCG ATACCG
105 (2) INFORMATION FOR SEQ ID NO: 5:
107      (i) SEQUENCE CHARACTERISTICS:
108          (A) LENGTH: 19 base pairs
109          (B) TYPE: nucleic acid
110          (C) STRANDEDNESS: single
111          (D) TOPOLOGY: linear
116      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:          19
118 AATACGACTC ACTATAGGG
120 (2) INFORMATION FOR SEQ ID NO: 6:
122      (i) SEQUENCE CHARACTERISTICS:
123          (A) LENGTH: 17 base pairs
124          (B) TYPE: nucleic acid
125          (C) STRANDEDNESS: single
126          (D) TOPOLOGY: linear
131      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:          17
133 ATTAACCCTC ACTAAAG.
135 (2) INFORMATION FOR SEQ ID NO: 7:
137      (i) SEQUENCE CHARACTERISTICS:
138          (A) LENGTH: 19 base pairs
139          (B) TYPE: nucleic acid
140          (C) STRANDEDNESS: single
141          (D) TOPOLOGY: linear
146      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:          19
148 AATACGACTC ACTATAGGG
150 (2) INFORMATION FOR SEQ ID NO: 8:
152      (i) SEQUENCE CHARACTERISTICS:
153          (A) LENGTH: 34 base pairs
154          (B) TYPE: nucleic acid

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155      (C) STRANDEDNESS: single
156      (D) TOPOLOGY: linear
161      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
163 CCTCGAGCTC GAGCTTGGGT GGCTTTGGGG CATG          34
165 (2) INFORMATION FOR SEQ ID NO: 9:
167      (i) SEQUENCE CHARACTERISTICS:
168          (A) LENGTH: 17 base pairs
169          (B) TYPE: nucleic acid
170          (C) STRANDEDNESS: single
171          (D) TOPOLOGY: linear
176      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
178 ATTACCCCTC ACTAAAG          17
180 (2) INFORMATION FOR SEQ ID NO: 10:
182      (i) SEQUENCE CHARACTERISTICS:
183          (A) LENGTH: 20 base pairs
184          (B) TYPE: nucleic acid
185          (C) STRANDEDNESS: single
186          (D) TOPOLOGY: linear
191      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
193 GTAGACCGTG CATCATGAGC          20
195 (2) INFORMATION FOR SEQ ID NO: 11:
197      (i) SEQUENCE CHARACTERISTICS:
198          (A) LENGTH: 20 base pairs
199          (B) TYPE: nucleic acid
200          (C) STRANDEDNESS: single
201          (D) TOPOLOGY: linear
205      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
207 ATAGCGGAAC AGAGAGCAGC          20
209 (2) INFORMATION FOR SEQ ID NO: 12:
211      (i) SEQUENCE CHARACTERISTICS:
212          (A) LENGTH: 55 base pairs
213          (B) TYPE: nucleic acid
214          (C) STRANDEDNESS: single
215          (D) TOPOLOGY: linear
219      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
221 CTCGAGCTCG AGCCACCATG AGCACAAATC CTAAACCTCA AAGAAAAACC AAACG          55
223 (2) INFORMATION FOR SEQ ID NO: 13:
225      (i) SEQUENCE CHARACTERISTICS:
226          (A) LENGTH: 62 base pairs
227          (B) TYPE: nucleic acid
228          (C) STRANDEDNESS: single
229          (D) TOPOLOGY: linear
234      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
236 GCAAGCTTAA GCTTCTATCA AGCGGAAGCT GGGATGGTCA AACAAAGACAG CAAAGCTAAG          60
238 AG          62
240 (2) INFORMATION FOR SEQ ID NO: 14:
242      (i) SEQUENCE CHARACTERISTICS:
243          (A) LENGTH: 55 base pairs
244          (B) TYPE: nucleic acid

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245	(C) STRANDEDNESS: single	
246	(D) TOPOLOGY: linear	
251	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:	
253	AAGCTTAAGC TTCCACCATG AGCACAAATC CTAAACCTCA AAGAAAAACC AAACG	55
255	(2) INFORMATION FOR SEQ ID NO: 15:	
257	(i) SEQUENCE CHARACTERISTICS:	
258	(A) LENGTH: 62 base pairs	
259	(B) TYPE: nucleic acid	
260	(C) STRANDEDNESS: single	
261	(D) TOPOLOGY: linear	
266	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:	
268	GCCTCGAGCT CGAGCTATCA AGAGGAAGCT GGGATGGTCA AACAAAGACAG CAAAGCTAAG	60
270	AG	62
272	(2) INFORMATION FOR SEQ ID NO: 16:	
274	(i) SEQUENCE CHARACTERISTICS:	
275	(A) LENGTH: 19 base pairs	
276	(B) TYPE: nucleic acid	
277	(C) STRANDEDNESS: single	
278	(D) TOPOLOGY: linear	
283	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:	
285	GTGCATGCAT GTTAGTGCG	19
287	(2) INFORMATION FOR SEQ ID NO: 17:	
289	(i) SEQUENCE CHARACTERISTICS:	
290	(A) LENGTH: 20 base pairs	
291	(B) TYPE: nucleic acid	
292	(C) STRANDEDNESS: single	
293	(D) TOPOLOGY: linear	
298	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:	
300	CCTGGGTGTAT GCGTTGATGG	20
302	(2) INFORMATION FOR SEQ ID NO: 18:	
304	(i) SEQUENCE CHARACTERISTICS:	
305	(A) LENGTH: 59 base pairs	
306	(B) TYPE: nucleic acid	
307	(C) STRANDEDNESS: single	
308	(D) TOPOLOGY: linear	
313	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:	
315	CCTCGAGCTC GAGCCACCAT GGGGAAGGAG ATACTTCTAG GACCGGCCGA TAGTTTG	59
317	(2) INFORMATION FOR SEQ ID NO: 19:	
319	(i) SEQUENCE CHARACTERISTICS:	
320	(A) LENGTH: 60 base pairs	
321	(B) TYPE: nucleic acid	
322	(C) STRANDEDNESS: single	
323	(D) TOPOLOGY: linear	
328	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:	
330	GCAAGCTTAA GCTTCTATCA GCGTTGGCAT GACAGGAAAG GGAGTCCCGG TAACCGCGGC	60
333	(2) INFORMATION FOR SEQ ID NO: 20:	
335	(i) SEQUENCE CHARACTERISTICS:	
336	(A) LENGTH: 21 base pairs	
337	(B) TYPE: nucleic acid	

RAW SEQUENCE LISTING  
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338	(C) STRANDEDNESS: single	
339	(D) TOPOLOGY: linear	
344	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:	
346	ATAAATAGAA GGCCTGATAT G	21
348	(2) INFORMATION FOR SEQ ID NO: 21:	
350	(i) SEQUENCE CHARACTERISTICS:	
351	(A) LENGTH: 35 base pairs	
352	(B) TYPE: nucleic acid	
353	(C) STRANDEDNESS: single	
354	(D) TOPOLOGY: linear	
359	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:	
361	GCAAGCTTAC AATGTACAGG ATGCAACTCC TGTCT	35
363	(2) INFORMATION FOR SEQ ID NO: 22:	
365	(i) SEQUENCE CHARACTERISTICS:	
366	(A) LENGTH: 35 base pairs	
367	(B) TYPE: nucleic acid	
368	(C) STRANDEDNESS: single	
369	(D) TOPOLOGY: linear	
374	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:	
376	GACTCGAGTT ATCAAGTCAG TGTTGAGATG ATGCT	35
378	(2) INFORMATION FOR SEQ ID NO: 23:	
380	(i) SEQUENCE CHARACTERISTICS:	
381	(A) LENGTH: 35 base pairs	
382	(B) TYPE: nucleic acid	
383	(C) STRANDEDNESS: single	
384	(D) TOPOLOGY: linear	
389	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:	
391	GCCTCGAGAC AATGTACAGG ATGCAACTCC TGTCT	35
393	(2) INFORMATION FOR SEQ ID NO: 24:	
395	(i) SEQUENCE CHARACTERISTICS:	
396	(A) LENGTH: 35 base pairs	
397	(B) TYPE: nucleic acid	
398	(C) STRANDEDNESS: single	
399	(D) TOPOLOGY: linear	
404	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:	
406	GAGGGCCCTT ATCAAGTCAG TGTTGAGATG ATGCT	35
408	(2) INFORMATION FOR SEQ ID NO: 25:	
410	(i) SEQUENCE CHARACTERISTICS:	
411	(A) LENGTH: 53 base pairs	
412	(B) TYPE: nucleic acid	
413	(C) STRANDEDNESS: single	
414	(D) TOPOLOGY: linear	
419	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:	
421	CGAAGCTTAA GCTTGCCATG GGCCACACAC GGAGGCAGGG AACATCACCA TCC	53
423	(2) INFORMATION FOR SEQ ID NO: 26:	
425	(i) SEQUENCE CHARACTERISTICS:	
426	(A) LENGTH: 52 base pairs	
427	(B) TYPE: nucleic acid	
428	(C) STRANDEDNESS: single	

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/466,035

DATE: 09/17/2002

TIME: 13:48:29

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\09172002\I466035.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:942 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]